SNOW SURVEYS AND IRRIGATION WATER FORECASTS

FOR OREGON

AS OF

FEBRUARY 1, 1943

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Issued February 9, 1943

by

Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
and

Oregon Agricultural Experiment Station, Medford Branch
cooperating

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Data included in this report were obtained by the agencies listed above, in cooperation with the Oregon State Engineer, U. S. Forest Service, National Park Service and other Federal, State and local organizations. 1/

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U. S. Department of Commerce, Weather Bureau

SNOWFALL BULLETIN

1942 SNOW COVER SURVEYS[1]

Tributary Basins (Primary, Secondary and Snow Courses)	State	Location: Lat. and Long. or Sec. Twp. Range	Elevation (feet)	January Day	January Snow	January Water	February Day	February Snow	February Water	March Day	March Snow	March Water	April Day	April Snow	April Water	May Day	May Snow	May Water
Upper Columbia Drainage																		
COLUMBIA RIVER																		
Canoe River (9A)	Canada	52°51′, 119°08′	3200							2/28	14	2.3	3/27	15	2.7			
Farron (17)	do	49°17′, 118°07′	4000				1/29	26	4.5	2/26	35	7.1	3/30	23	6.5			
Ferguson (16)	do	50°30′, 117°30′	3000										3/28	29	5.6			
Field (12A)	do	51°20′, 116°33′	3800				1/31	13	2.1	2/28	14	2.1	3/31	11	2.4			
Glacier (11)	do	51°14′, 117°29′	4100				1/30	38	9.6	2/27	40	10.1	3/29	50	14.6			
Invermere (21A)	do	50°38′, 116°18′	3500										3/30	15	4.3			
Middle River (25)	do	51°57′, 118°00′	2250							11	27	6.5						
Revelstoke (15)	do	50°54′, 118°16′	1800				1/31	9	1.9	2/28	15	3.1	3/31	10	3.0			
Sinclair Pass (18)	do	50°41′, 115°59′	4500										3/29	15	1.6			
KOOTENAI RIVER																		
Barre Mountain	Mont.	1 25N 31W	6000										3/27	77	21.8	4/28	54	23.4
Bluebird Basin	do	24 37N 26W	6800										3/28	87	29.8	4/27	72	30.1
Brush Cr. Summit	do	13 30N 26W	5000										3/31	23	5.8	4/29	5	1.8
Ferguson (16)	Canada	50°40′, 117°30′	3000										3/28	29	5.6			
Fernie (10)	do	49°31′, 115°01′	3500				1/31	9	2.3	2/27	16	3.8	3/30	15	5.1			
Kimberly (20)	do	49°42 1-2′, 116°00′	3750							2/28	19	3.0	1	12	4.2			
Lardeau (7)	do	50°36′, 117°16′	6000										3/30	37	6.1			
Nelson (19)	do	49°25′, 117°14′	3050				1/31	18	3.7	2/27	25	5.8	3/31	23	6.7			
Red Mountain	Mont.	4 36N 29W	6000				1/29	33	8.3	2/26	41	10.4	3/28	46	13.4	3	25	8.8
Sandon (18)	Canada	49°59′, 117°13′	3500										3/31	22	6.3			
Sinclair Pass (8)	do	50°41′, 115°59′	4500										3/29	15	1.6			
Smith Cr.	Idaho	29 64N 3W	4800										3/30	77	25.7	4/30	10	17.8
CLARK FORK																		
Bare Mountain	Mont.	1 25N 31W	6000										3/27	77	21.8	4/28	54	23.4
Benton Meadow	Idaho	27 58N 4W	2641	12/30	T.	T.	4	T.	T.	2/28	5	1.4	3/31	0	0	1/30	0	0
Benton Spring	do	30 58N 3W	4000	12/30	19	3.3	1/30	23	5.2	2/27	35	8.8	3/31	33	10.1	1/30	7	2.3
Big Cr.	Mont.	6 7 22N 18W	6750							2	78	21.8	3/30	81	29.9			
Brush Cr. Summit	do	13 30N 26W	5000										3/31	23	5.8	1/29	5	1.8
Bunchgrass Meadow	Wash.	24 37N 14E	5000													1	29	12.6
Cattle Queen	Mont.	7 35N 17W	4700										3/30	61	19.6	4/28	38	14.6
Chessman Reservoir	do	2 8N 5W	6200	3	13	2.2	2	11	2.8	3	17	4.2	1	17	4.4	1	1	0.3
Desert Mountain	do	24 31N 19W	5600										1	32	8.8	1	4	1.1
East Fork R. Sta.	do	16 2N 17W	5400										3/31	14	1.7			
Elk Mountain	do	1 20N 19W	6750							3	52	13.8	2	51	16.3			
Freezeout Summit	do	21 15N 27W	7000										1	63	21.9	2	41	18.1
Gibbons Pass	do	4 2S 19W	7100				1	49	13.1	2	55	18.0	1	57	21.6			
Goat Mountain	do	47°31′, 112°55′	7000							2/28	19	3.9	3/31	21	5.6			
Hell Roaring Cr. Divide	do	35 32N 22W	5770										3/28	63	21.7	2	36	13.6
Hoodoo Cr.	do	9-16 14N 27W	6200										2	79	29.6	1	53	22.3
Horse Ridge	do	8 25N 15W	5200										1	21	5.7	1	0	0
Iceberg Lake (3)	do	48°50′, 113°43′	5750													4	16	6.7
Intergaard	do	6 5N 13W	6450							2	30	7.0						
Kishenehn	do	7 37N 21W	4300										3/29	6	1.8	1	0	0
Logan Cr.	do	34 30N 24W	4300										2	10	2.8	1	0	0
Lookout	Idaho	4 47N 6E	5250										3/14	66	18.9			
Lookout Pass	do	4 47N 6E	5200				2	41	10.9	2	54	14.9	3	53	18.9	2	13	4.8
Marias Pass	Mont.	48°19′, 113°21′	5250	3	17	4.4	3	17	4.6	2	24	6.7	1	30	9.7	3	1	0.5
Mosquito Ridge	Idaho	5 54N 2E	5110										3/29	63	21.6			
Mount Allen (7)	Mont.	48°46′, 113°41′	7250													4	61	25.6
Mud Cr. Pasture	do	24 11N 24W	4500										1	13	3.6	1	0	0
Nelson (19)	Canada	49°25′, 117°14′	3050				1/31	18	3.7	2/27	25	5.8	3/31	23	6.7			
Nezperce Camp	Mont.	19-20 1S 23W	5580				1/31	22	4.5	2/28	32	7.4	1	31	8.7	1	0	0
Nezperce Pass	Idaho	32 28N 16E	6575				1/31	28	6.0	2/28	39	9.2	1	41	11.1	1	3	1.2
North Fork Jocko	Mont.	3 17N 17W	6330							2/27	70	21.7	3/31	73	27.0			
Packers Meadow	Idaho	15 38N 15E	5700	3	21	3.3	1	27	3.8	3	39	8.6	3/31	33	11.0	1	0	0
Picnic Grounds	Mont.	22 5N 6W	6300							2	20	3.6						
Piegan Pass (4)	do	48°47′, 113°40′	5000													4	4	1.5
Piegan Pass (6)	do	48°46′, 113°41′	6250													4	40	17.3
Pipestone Pass	do	11 1N 7W	7200				2	17	3.7	2/28	23	4.8	1	22	5.4	1	7	2.0
Ptarmigan (8)	do	48°50′, 113°43′	6000													5	36	15.3
Skalkaho Summit	do	30 6N 17W	7258										2	54	17.6	4/30	33	15.2
Slide Rock Mt.	do	26 10N 16W	7100										3/29	40	10.6	4/28	24	7.8
Smith Cr.	Idaho	29 64N 3W	4800										3/30	77	25.7	4/30	40	17.8
Southern Cross	Mont.	9 5N 13W	6500							2	25	5.0						
Stemple Pass	do	16 13N 7W	6900							1	27	5.6	2	27	7.3			
Storm Lake No. 2	do	19 4N 13W	7750										1	51	16.1	3	43	14.1
Stuart Mill	do	19 5N 13W	6500							2	26	5.4						
Stuart Mt. No. 1	do	6 14N 18W	7400							1	60	18.0	3/29	62	22.2	4/30	42	18.3
Summit Springs Camp	do	27 19N 16W	4203										3/31	18	5.9	1	0	0
Tenmile Cr. Lower	do	13 8N 6W	6250	3	21	3.8	3	20	5.1	2	27	6.9	1	28	7.2	1	3	0.8
Tenmile Cr. Middle	do	13 8N 6W	6800	3	29	5.7	2	27	7.6	2	35	9.4	1	38	10.7	1	16	5.5
Tenmile Cr. Upper	do	19 8N 5W	8000	4	32	7.1	2	32	8.8	3	42	11.9	1	41	13.0	1	21	9.4
SPOKANE RIVER																		
Above Burke	Idaho	11 48N 5E	4100							10	36	11.0						
Above Roland	do	35 47N 6E	4350							13	44	11.2						
Below Roland	do	34 47N 6E	3770							13	19	6.1						
Upper Ridge	do	6 7 50N 1W	4800	2	22	5.4	1/31	25	7.2	2/27	47	13.9	2	51	18.0	4/30	22	9.1
Forty-nine Meadows	do	6 43N 5E	5000							2/27	56	15.8	3/27	61	19.8	1	23	10.6
Fourth of July Summit	do	6 49N 1W	3100							10	20	6.1						
Huckleberry Mountain	do	8 9 17 19N 5W	5000							9	46	15.2						
Kellogg Peak	do	19 48N 3E	5560							11	61	17.9						
Lookout	do	4 47N 6E	5250							14	66	18.9						
Lookout Pass	do	4 47N 6E	5200				2	41	10.9	2	54	14.9	3	53	18.9	2	13	4.8
Lower Sands Cr.	do	32 51N 1W	3400	1	16	3.4	1/30	16	4.8	2/28	34	9.5	3/31	27	9.2	4/30	T.	T.
Medicine Cr.	do	24 43N 10E	6200							2/27	66	19.1				1	36	14.7
Mosquito Ridge	do	5 54N 2E	5110										3/29	63	21.6			
Roland	do	26 47N 6E	5200							13	63	19.9						
Sherwin	do	28-33 42N 1E	3200							17	20	5.9						
Sunset	do	28 49N 5E	5600							12	68	19.3						
SANPOIL RIVER																		
Sherman Cr. Pass	Wash.	19 36N 35E	5350										3	39	10.7	1	11	3.6

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Tributary Basins (Primary, Secondary and Snow Courses)	State	Location: Lat. and Long. or Sec.	Twp.	Range	Elevation (feet)	Average Snow Depth and Water Equivalent (Inches): January Day	January Snow	January Water	February Day	February Snow	February Water	March Day	March Snow	March Water	April Day	April Snow	April Water	May Day	May Snow	May Water
Upper Columbia Drainage, cont.																				
OKANOGON RIVER																				
Aberdeen Lake (6A)	Canada	50°08', 119°03'			4300										3/28	16	3.2			
McCulloch (4)	..do	49°47', 119°13'			4200				1/30	16	3.2	2/27	21	4.2	3/30	17	4.2			
Mission Cr. (5A)	..do	50°01', 118°59'			6000										3/27	43	11.9			
Mutton Cr.	Wash.	30	37N	24E	5700										1	33	9.5			
Salmon Meadows	..do	33	37N	24E	4500										3/28	29	8.4	4/30	5	1.6
Summerland Res. (3A)	Canada	49°50', 120°02'			4300										3/27	21	4.8	4/30	0	0
Trout Cr. (3)	..do	49°46', 120°12'			4700				1/28	12	2.0	2/25	19	3.1	3/28	19	3.6			
METHOW RIVER																				
Harts Pass	Wash.	7	37N	18E	6500										2	83	33.6	2	78	34.6
CHELAN LAKE BASIN																				
Agnes Cr.	Wash.	48°02', 120°56'			5400										3/23	104	39.7			
Bridge Cr.	..do	48°26', 120°52'			2100										3/26	34	13.0			
Bridge Cr. Trail	..do	48°27', 120°52'			2680										3/30	41	15.1			
Bullion	..do	48°23', 120°49'			1460										3/25	6	2.4			
Cloudy Pass	..do	48°02', 120°55'			6500										3/22	90	37.4			
Cottonwood	..do	48°27', 120°58'			2500										1	54	22.0			
Dagger Lake	..do	48°28', 120°39'			5200										3/29	76	28.1			
Greenwood Flat	..do	48°03', 120°50'			3540										3/20	51	18.7			
Little Meadows	..do	48°02', 120°54'			5275										3/21	90	36.0			
Lyman Lake	..do	48°02', 120°55'			5900										3/22	114	45.4			
Park Cr. Flat	..do	48°26', 120°55'			2220										1	49	20.2			
Park Cr. Ridge	..do	48°27', 120°55'			4600										3/31	73	28.0			
Pass Cr.	..do	48°20', 120°55'			2500										3/25	46	16.4			
Petersons	..do	48°28', 120°43'			3730										3/27	44	16.3			
Rainy Pass	..do	48°34', 120°44'			4780										3/28	70	24.7			
Seven Mile	..do	48°02', 120°44'			3015										3/20	37	13.5			
Two Mile	..do	48°01', 120°37'			2020										3/20	8	2.8			
Upper Meadows	..do	48°03', 120°56'			4400										3/24	69	24.0			
WENATCHEE RIVER																				
Blewitt Pass	Wash.	35	22N	17E	4270													1	0	0
YAKIMA RIVER																				
Big Bohler Cr.	Wash.	35	23N	14E	3200										1	32	11.4			
Blewitt Pass	..do	35	22N	17E	4270													1	0	0
Bumping Lake	..do	46°52', 121°18'			3450	12/31	19	3.6	1/31	26	6.2	2/28	39	10.0	3/31	23	8.3			
Cayuse Pass	..do	15	16N	10E	5300	5	69	22.2	2	102	33.1	4	123	46.2	6	123	53.4	4	118	53.6
Corral Pass	..do	30	18N	11E	6000	6	46	13.9	3	65	18.7	3	65	22.8	7	61	26.8	5	62	27.4
Fog Basin	..do	46°55', 121°27 1-2'			5600										3/30	79	32.1	6	60	30.2
Lake Cle Elum	..do	15	20N	14E	2200	12/29	14	3.0	1/30	18	6.2	2/28	18	7.2	1	0	0			
Tunnel Avenue	..do	10	21N	12E	2450	12/31	26	7.0	1/31	29	9.6	2/28	41	13.0	3/31	34	12.6			
ALTANUM CREEK																				
Altamum Ranger Stn.	Wash.	26	12N	14E	3100				1	31	10.1	1	30	8.7	1	11	5.3			
Green Lake	..do	3	12N	13E	6000										3/26	72	30.9			
SNAKE RIVER BASIN																				
ABOVE JACKSON LAKE																				
Arizona	Wyo.	3	46N	115W	6850	16	29	7.8	15	43	12.2	15	43	13.1	15	27	10.9			
Aster Cr.	..do	44°17', 110°37'			7700	14	43	13.2	14	60	18.0	15	64	21.1	14	48	19.1			
Canyon	..do	44°43', 110°30'			7750							1	32	6.6	1	31	6.8	4/30	12	3.5
Coulter Cr.	..do	44°03', 110°33'			7600	14	35	8.1	14	50	11.8	15	49	14.6						
Glade Cr.	..do	44°08', 110°44'			7200	15	32	8.7	15	47	13.8	15	51	16.2	15	31	12.6			
Huckleberry Divide	..do	32	48N	115W	7300	16	32	8.3	15	47	13.4	15	48	14.5	15	36	13.8			
Lake Camp	..do	44°34', 110°21'			7850							3	30	6.7	1	29	6.8	4/30	13	4.0
Lewis Lake Divide	..do	44°13', 110°40'			7900	14	55	16.7	14	79	25.4	15	80	28.6	14	64	28.5			
Moran	..do	8-17	45N	114W	6800	16	24	5.8	16	32	8.4	16	33	9.3	15	13	5.1			
Moran Bay	..do	14	45N	116W	6800	13	36	9.5	12	51	14.4	13	60	18.1	16	43	16.3			
Norris Basin	..do	44°44', 110°42'			7500							2/27	28	6.2	1	27	6.3			
Snake River Sta.	..do	44°08', 110°40'			6780	14	30	8.1	15	44	12.8	15	44	14.2	15	19	7.2			
Sylvan Pass	..do	44°20', 110°02'			7100										3/31	28	6.7	1	4	0.2
JACKSON LAKE TO HEISE																				
Alton Ranger Sta.	Wyo.	30	32N	118W	6200				1/31	15	3.3	2/28	19	4.0	3/31	0	0			
Blackrock	..do	4	44N	111W	8600				3	43	10.8				3/27	56	15.7			
Bryan Flat	..do	9	38N	115W	6250	2	19	3.2	1/29	23	5.2	2	29	5.4	2	28	7.4			
CCC Camp FF12, Dist. 5	..do	9	29N	118W	7500				1/31	24	4.5	2/27	29	6.8	3/31	26	7.2			
Cottonwood Lake	..do	25	31N	118W	7500										3/30	38	11.0			
Deadman Ranch	..do	28	35N	116W	6531	12/31	19	2.0	1	24	3.8	2/28	31	5.8	3/31	29	6.7			
East Rim Divide	..do	32	37N	111W	7950							3	32	7.0	1	32	7.9			
Four-Mile Meadows	..do	35	45N	112W	7770				3	32	6.8				3/27	38	9.4			
Greys Boundary	..do	33	37N	118W	5800	12/30	24	4.1	1/30	26	5.9	2/27	36	8.1	3/30	31	8.9			
Grover Park Divide	..do	27	33N	118W	7500				1/30	26	5.2	2/27	31	8.5	3/31	28	8.8			
Teton Pass	..do	24	41N	118W	8500	12/28	33	7.8	1/29	45	14.0	2/26	58	18.8	3/28	63	21.4			
Togwotee Pass	..do	29	44N	110W	9600				3	52	13.9				3/27	64	20.7			
Turpin Meadows	..do	14	45N	112W	6930				3	27	6.1				3/27	31	7.6			
Yellowjacket	..do	33	42N	112W	7675				4	21	3.3				3/31	21	4.3			
HEISE TO AMERICAN FALLS																				
Austin Bros. Ranch	Idaho	27	7S	43E	6450				3	27	6.4	2/28	32	6.7	3/31	30	7.5			
Beehler Ranger Stn.	Wyo.	44°09', 111°03'			6400	1	30	6.9	1/29	46	12.4	2/27	61	18.3	3/27	58	20.2	4/29	25	9.7
Big Springs	Idaho	34	14N	44E	6500	12/29	30	5.1	1/31	47	10.4	2/26	55	15.4	3/28	48	16.1			
Blackfoot Dam	..do	1	5S	40E	6200				1	23	5.0	1	32	8.6	3/29	28	8.6			
Blue Ledge Mine	..do	27	13N	38E	6700										3/29	42	10.2			
Camp Cr.	..do	21	13N	36E	6800	12/30	23	5.0	1/30	29	6.9	2/28	34	9.0	3/28	31	9.1			
China Hat	..do	17	7S	42E	6300				1	24	6.2	2/28	29	6.4	1	26	7.1			
Grassy Lake	Wyo.	6	48N	117W	7265				1/30	52	16.9	2/26	71	23.6	3/31	66	24.0	4/29	45	20.8
Island Park No. 2	Idaho	28	13N	43E	6315	12/30	29	4.9	2	42	9.7	2/28	47	12.5	3/30	41	13.1			
Kilgore	..do	6	12N	39E	6200	12/27	16	3.4	1/30	34	7.6	2/27	41	9.8	3/30	34	10.4			
Slug Cr. Divide	..do	15	10S	44E	7225										1	34	10.3			
Sonsen Ranch	..do	25	5S	43E	7000				1	29	6.8	1	33	9.1	1	33	9.5			
State Line	..do	32	3N	46E	6400	12/28	24	4.0	1/29	33	9.1	2/26	39	12.0	3/28	39	12.4			
Teton Pass	Wyo.	24	41N	118W	8500	12/28	33	7.8	1/29	45	14.0	2/26	58	18.8	3/28	63	21.4			
Valley View	Idaho	7	15N	44E	6500	12/28	21	4.0							3/29	38	10.9			
West Yellowstone	Mont.	34-35	13S	5E	6700	2	20	4.1	2	31	6.6	2	34	9.0	1	30	8.6	1	2	0.6
SOUTHERN TRIBUTARIES BELOW AMERICAN FALLS																				
Bear Cr. Meadows	Nev.	31	46N	58E	8100										2	59	18.3	1	58	22.9
Bostetter Ranger Stn.	Idaho	6	14S	19E	7500										3/29	52	18.6			
Boy Scout Camp	..do	12	14S	23E	8000										3/30	54	18.7			
Fox Cr.	Nev.	3	45N	58E	6900							3	34	9.8	2	26	8.5			
Sublett	Idaho	8	12S	30E	6000	12/29	25	5.1	1/31	35	8.6	2/27	44	13.0	3/30	36	12.4			
Summit Springs	..do	15	13S	30E	8500										3/31	34	12.0			

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Upper Columbia Drainage, cont.																				
LOST RIVER																				
Copper Basin	Idaho	24	6N	21E	8000															
Stickney Mill	..do	9	6N	19E	7500							2/25	30	7.2	3	19	6.4			
White Knob	..do	25	7N	23E	7700	12/31	18	4.8	1/31	24	4.4	2/27	23	3.8	4	25	6.1			
WOOD RIVER												2/28	30	8.2	3/31	30	8.5			
Galena	Idaho	3	6N	15E	7500															
Graham Ranch	..do	10	5N	17E	6200	12/31	31	6.5	1/31	37	9.5				3/27	49	16.3			
Mascot Mine	..do	8	4N	20E	7900							2/28	43	11.0	3/31	36	11.9			
Soldier Ranger Sta	..do	19	2N	14E	6100							2/28	36	9.1	3/31	40	11.1			
Sun Valley	..do	22	5N	18E	6000										3/22	31	11.1			
BOISE RIVER															3/28	30	8.5			
Atlanta Summit	Idaho	23	5N	10E	7500															
Bald Mountain	..do	15	5N	6E	6260				3	43	12.7	3	18	15.3	3/20	67	25.1			
Bogus Basin	..do	16	5N	3E	6400				2	44	11.6	2/23	60	16.6	7	37	14.3	4/28	14	4.6
Cape Horn	..do	2	12N	11E	6500	1	30	8.3	1/31	40	11.2	2	43	10.4	3/30	56	18.5	4/29	41	11.7
Crouch's Cabin	..do	16	4N	4E	5500							2/25	43	12.2	3/31	42	11.6	5	13	5.3
Galena	..do	3	6N	15E	7500															
Moore Cr. Summit	..do	19	7N	7E	6100										3/27	49	16.3			
Redfish Lake	..do	3	9N	13E	6000	1	15	2.4	1	24	4.3	6	56	17.8	6	48	17.9	1/28	32	11.5
Soldier Ranger Sta	..do	19	2N	14E	6100							1	28	6.6	1	25	7.0	1	2	0.5
Trinity Mountain	..do	7	3N	9E	7400										3/22	34	11.1			
OWYHEE RIVER															3/21	83	32.8			
Big Bend	Nev.	30	45N	56E	6800															
Buckskin Lower	..do	25	45N	39E	6800							4	32	10.2	3/31	29	10.4			
Buckskin, Upper	..do	14	45N	39E	8200							2	27	7.6	2	22	7.0			
Fish Creek (952)	Oregon	4	33S	33E	7900							2	33	11.2	2	32	11.1			
Fry Canyon	Nev.	32	43N	51E	6800										3/27	60	21.8			
Gold Cr. Ranger Sta	..do	32	45N	56E	6600							2/28	32	10.5	4	23	9.0			
Granite Peak	Nev.	27	44N	39E	8600							3	28	8.1	3/31	23	7.6			
Hart Mountain (971)	Oregon	1	36S	35E	6350				1/27	13	2.9	4	40	13.7	1	40	11.0			
Jack Cr., Lower	..do	19	42N	53E	7000							2/24	26	7.1	3/25	23	8.0			
Jack Cr., Upper	..do	9	42N	53E	7800							2/27	21	6.7	3	9	4.3			
Martin Cr.	..do	24	44N	39E	7000							2/27	35	11.5	3	26	11.0			
Rodeo Flat	..do	31	43N	54E	7000							3	30	8.5	3/31	26	9.1			
Silver City	Idaho	6	5S	3W	6400	12/31	19	3.3	1	25	6.9	2/28	35	11.4	4	25	9.6			
South Mountain No. 2	..do	35	7S	5W	6340				1	23	6.6	2	39	13.2	1	30	11.2	1	0	0
Steens Mountain (951)	Oregon	35	32S	33E	6900							2/25	39	12.1	1	30	12.0			
Taylor Canyon	Nev.	32	39N	53E	5200										3/26	42	14.6			
PAYETTE RIVER												1	21	8.5	5	13	6.4			
Big Cr. Summit	Idaho	24	15N	5E	6608															
Bogus Basin	..do	16	5N	3E	6400				2	44	11.6	2/23	60	17.6	2	62	21.1			
Cascade Reservoir	..do	36	14N	2E	7060										3/30	56	18.5	1/29	41	11.7
Crawford Ranger Sta	..do	21	14N	4E	4800	3	15	2.7	6	25	5.7	3	26	6.9	1	68	19.6			
Deadwood River Dam	..do	8	11N	7E	5500	12/31	28	6.3	1/31	30	9.2	2/28	41	10.9	2	11	5.4			
Deadwood Summit	..do	23	14N	7E	7000										3/30	22	8.4			
Lake Fork	..do	3	18N	4E	6000										3/30	73	27.8			
McCall	..do	9	18N	3E	5030	1	14	2.0	1/30	19	5.1	2	33	9.0	3/30	35	11.6			
Secesh Summit	..do	33	22N	4E	6475										1	25	7.6			
Secesh Summit No. 2	..do	34	22N	4E	6600										3/28	74	27.1			
Squaw Meadow	..do	8	21N	4E	5800										3/28	69	26.0			
Trail Cr.	..do	19	11N	7E	5900										3/28	70	21.0			
Upper Deadwood R. Sta	..do	26	13N	7E	6000										3/30	32	10.8			
MALHEUR RIVER															3/30	50	19.2			
Blue Mountain Spring (133)	Oregon	21	15S	35E	5900	12/30	17	3.6	1/30	26	6.8	3	43	12.8	3/28	37	12.6			
Crane Prairie (137)	..do	24	16S	34E	5375	12/31	13	3.7							3/28	30	8.2			
Lake Cr. (136)	..do	10	16S	33 1-2E	5120	1	13	2.5							3/29	29	7.6			
Rock Spring (134)	..do	23	18S	32E	5100	2	9	1.4	1/31	17	3.1	2/28	30	8.2	2	14	4.8			
Stinking Water (135)	..do	33	21S	34E	4800	5	7	1.6	2	19	4.1	2/28	28	6.6	3/30	16	5.3			
WEISER RIVER																				
Boulder Cr.	Idaho	15	20N	1W	5500										3/31	41	11.7			
Placer Cr.	..do	15-16	17N	3W	6000										3/31	12	12.1			
BURNT RIVER																				
Blue Mountain Summit (141)	Oregon	6	12S	36E	5098	12/31	14	2.2	1/29	23	4.8	2/27	33	9.3	3/26	27	9.0			
Dooley Mountain (156)	..do	32	11S	40E	5430	12/30	16	4.0	1/29	27	6.4	1	38	11.7	3/27	35	11.7			
Tipton (142)	..do	34	10S	35 1-2E	5100				1/28	20	4.8				3/25	24	9.9			
POWDER RIVER																				
Anthony Lake (155)	Oregon	18	7S	37E	7125	12/31	29	7.7	1/30	36	10.4	2/28	49	14.4	3/26	56	18.8			
Bourne (154)	..do	33	8S	37E	5800	3	22	6.4	1/31	28	7.5	2/27	18	12.9	3/30	36	13.6			
Dooley Mountain (156)	..do	32	11S	40E	5430	12/30	16	4.0	1/29	27	6.4	1	38	11.7	3/27	35	11.7			
Lilertson Meadows (151B)	..do	18	8S	38E	5400	1	9	2.2	1/30	18	4.5	2/27	33	9.1	3/26	29	10.9			
Gold Center (249)	..do	21	9S	36E	5340	12/30	19	4.8	1/30	23	5.9	2/28	39	10.1	3/26	32	11.9			
Summit Springs (181)	..do	9	6S	37E	6000										3/21	52	16.7			
Taylor Green (185)	..do	3	6S	42E	5740										3/27	40	12.2			
SALMON RIVER																				
Big Cr. Summit	Idaho	24	15N	5E	6608										2	62	21.4			
Cape Horn	..do	2	12N	11E	6500	1	30	8.3	1/31	40	11.2	2	43	10.1	3/31	42	11.6	5	13	5.3
Deadwood Summit	..do	23	14N	7E	7000										3/30	73	27.8			
Gibbons Pass	Mont.	4	2S	19W	7100				1	49	13.4	2	55	18.0	1	57	21.6			
Mill Cr. Summit	Idaho	8	13N	17E	8870										3	62	16.9	6	51	17.3
Moose Cr.	..do	22-27	27N	21E	6200	12/31	26	5.1							3/30	41	13.3	4/30	16	5.7
Redfish Lake	..do	3	9N	13E	6600	1	15	2.4	1	24	4.3	1	28	6.6	1	25	7.0	1	2	0.5
Secesh Summit	..do	33	22N	4E	6475										3/28	71	27.1			
Secesh Summit No. 2	..do	34	22N	4E	6600										3/28	69	26.0			
Williams Cr., Summit	..do	34	21N	20E	8710										3/30	37	10.3	4/30	26	10.4
GRANDE RONDE RIVER																				
Aneroid Lake (183)	Oregon	16	4S	45E	7180				1/31	73	22.4				3/25	87	33.6			
Aneroid Lake (183A)	..do	16	4S	45E	7000				1	58	17.1				3/28	68	27.1			
Anthony Lake (155)	..do	18	7S	37E	7125	12/31	29	7.7	1/30	36	10.4	2/28	49	14.4	3/26	56	18.8			
Beaver Reservoir (188)	..do	8	5S	37E	5340	12/30	14	2.9	1/28	22	4.7	2/25	32	7.6	3/29	30	10.0			
Camp Carson (187)	..do	33	6S	36E	5970				6	21	4.8				3/29	28	9.6			
Moss Spring (186)	..do	27	3S	41E	5800				1/31	30	8.2	2/26	49	13.9	3/26	71	24.7			
Schneider Meadows (161)	..do	35	6S	45E	5400				1/29	51	15.3				3/26	71	24.7			
Summit Springs (184)	..do	9	6S	37E	6000										3/24	52	16.7			
Taylor Green (185)	..do	3	6S	42E	5740										3/27	40	12.2			
Toll Gate (212)	..do	32	4N	38E	5070				1/25	22	7.0	2/24	51	14.1	3/27	51	18.4			
CLEARWATER RIVER																				
Forty-nine Meadows	Idaho	6	43N	5E	5000							2/27	56	15.8	3/27	64	19.8	1	23	19.6
Kit Carson Pasture	..do	4	27N	16E	4700				1/30	21	5.0	2/27	29	6.5	1	24	7.5	1	0	0

1942 SNOW COVER SURVEYS [1]

Tributary Basins (Primary, Secondary and Snow Course)	State	Location: Lat. and Long. or Sec.	Twp.	Range	Elevation (Feet)	Average Snow Depth and Water Equivalent (Inches): January Day	January Snow	January Water	February Day	February Snow	February Water	March Day	March Snow	March Water	April Day	April Snow	April Water	May Day	May Snow	May Water
Upper Columbia Drge. cont.																				
Nezperce Pass	Idaho	32	28N	16E	6575				1/31	28	6.0	2/28	39	9.2	1	41	11.1	1	3	1.2
Packers Meadow	..do	15	38N	15E	5700	3	21	3.3	1	27	3.8	3	39	8.6	3/31	33	11.0	1	0	0
Powell Pasture	..do	27	37N	14E	3700													1	0	0
Savage Pass	..do	18	36N	15E	6600										3/30	49	14.5	4/30	26	10.4
Shanghai Summit	..do	7	37N	6E	4600										1	34	10.9	2	4	1.4
Sherwin	..do	28-33	42N	1E	3200							17	20	5.9						
Lower Columbia Drainage																				
WALLA WALLA RIVER																				
Toll Gate (212)	Oregon	32	4N	38E	5070				1/25	22	7.0	2/24	51	14.1	3/27	51	18.4			
UMATILLA RIVER																				
Emigrant Springs (222)	Oregon	29	1N	35E	3925				1/25	9	2.1	2/25	25	6.4	3/27	15	5.5			
Lucky Strike (223)	..do	28	3S	32E	5050				1/28	29	6.3	2/26	44	11.8	3/28	40	13.5			
Meacham (221)	..do	24-25	1S	35E	4300				1/25	13	3.5	2/25	29	7.4	3/27	21	7.9			
Toll Gate (212)	..do	32	4N	38E	5070				1/25	22	7.0	2/24	51	14.1	3/27	51	18.4			
JOHN DAY RIVER																				
Anthony Lake (155)	Oregon	18	7S	37E	7125	12/31	29	7.7	1/30	36	10.4	2/28	49	14.4	3/26	56	18.8			
Arlackie Mountain (211)	..do	33	4S	29E	5400							2	40	11.2	3/25	34	12.2			
Beech Cr. Summit 1246A)	..do	4	12S	30E	4800	12/29	8	1.6	1/28	14	3.6	2/27	28	7.8	3/29	19	6.0			
Blue Mt. Springs (133)	..do	21	15S	35E	5900	12/30	17	3.6	1/30	26	6.8	3	43	12.8	3/28	37	12.6			
Blue Mt Summit (141)	..do	6	12S	36E	5098	12/31	14	2.2	1/29	23	4.8	2/27	33	9.3	3/26	27	9.0			
Dixie Springs (241)	..do	28	11S	34E	6650										3/26	54	18.1			
Gold Center (249)	..do	21	9S	36E	5340	12/30	19	4.8	1/30	23	5.9	2/28	39	10.4	3/26	32	11.9			
Izee Summit (964)	..do	28	16S	29E	5293				1/29	19	4.9	2/27	36	8.8	1	21	6.2			
Marks Cr. (344)	..do	25	12S	19E	4540				1/29	12	3.6	2/26	30	7.2	3/30	12	4.4			
Olive Lake (245)	..do	11	9S	33 1-2E	6000	12/31	21	4.0	1/31	30	7.6	2/28	47	11.7	3/26	48	15.0			
Starr Ridge (247B)	..do	20	15S	31E	5150	12/29	9	1.4	1/29	14	3.7	2/27	28	6.2	1	11	3.2			
Tipton (142)	..do	34	10S	35 1-2E	5100				1/28	20	4.8				3/25	24	9.9			
DESCHUTES RIVER																				
Brooks Meadows 1431)	Oregon	2	2S	10E	4300										3/25	27	11.2			
Caldwell Ranch (326)	..do	30	21S	8E	4400										1	9	3.9			
Cascade Summit (321)	..do	7	23S	6 1-2E	4880				1/29	33	10.6				3/27	51	19.7			
Charlton Lake (327)	..do	23	21S	6E	5750										1	55	19.5			
Clear Lake 1361)	..do	29	4S	9E	3500										3/26	21	7.9			
Crescent Lake (325)	..do	11	24S	6E	4760				1/29	12	5.0				1	0	0			
Derr (343)	..do	14	13S	23E	5670				1/29	23	5.1				3/29	30	10.9			
Hogg Pass (351)	..do	21	13S	7 1-2E	4755				1/29	48	15.5	1	83	28.4	3/29	78	32.6			
Marks Cr. (344)	..do	25	12S	19E	4540				1/29	12	3.6	2/26	30	7.2	3/30	12	4.4			
New Dutchman Flat (324A)	..do	21	18S	9E	6400										3/31	106	38.5			
Ochoco Meadows (341)	..do	21	13S	20E	5200				1/31	21	5.9	2/28	42	11.6	3/31	28	9.9			
Tamarack (342)	..do	8	15S	25E	4800				1/30	10	2.3				3/30	14	5.4			
Three Cr. Meadows (331)	..do	3	17S	9E	5600				1/30	24	6.6				3/30	29	11.7			
WILLAMETTE RIVER																				
Breitenbush 1551)	Oregon	21	9S	7E	2325	12/31	1	T.	1/31	6	3.0	2/28	8	2.8	1	0	0			
Cascade Summit (321)	..do	7	23S	6 1-2E	4880				1/29	33	10.6				3/27	51	19.7			
Champion (522)	..do	12	23S	1E	4500				1/31	10	3.0	2/28	43	11.7	3/29	36	13.3			
Charlton Lake (327)	..do	23	21S	6E	5750										1	55	19.5			
Clackamas Lake (592)	..do	35	5S	8 1-2E	3400										3/27	18	6.2			
Hogg Pass (351)	..do	24	13S	7 1-2E	4755				1/29	48	15.5	1	83	28.4	3/29	78	32.6			
Marion Forks (553)	..do	28	11S	7E	2730				1/29	13	5.0	1	21	7.6	3/29	10	4.5			
Mary's Peak (541)	..do	21	12S	7W	3620				1	0	0				3/28	14	4.2			
McKenzie (531)	..do	35	15S	7 1-2E	4800				4	58	18.0				10	53	22.4			
Peavine Ridge (591)	..do	14-15	6S	7E	3500	5	11	1.7	4	20	6.2	4	28	8.9	2	25	9.3			
Phlox Point (452)	..do	6	3S	9E	5600	2	40	13.5	1/31	57	20.6	2/28	98	35.0	3/28	104	43.0			
Santiam Junction (552)	..do	14	13S	7E	3990				1/29	22	8.8	1	41	14.6	3/29	35	14.7			
Still Cr. (451)	..do	25	3S	8 1-2E	3700	2	15	3.5	1/31	19	5.8	2/28	34	10.9	3/28	34	13.5			
Waldo Lake (521A)	..do	15	21S	6E	5500										3/31	45	18.1			

[1] Furnished by Irrigation Division, Soil Conservation Service, U. S. Department of Agriculture and cooperators.

WBO, Portland, 10-1-42 3:00

WATER SUPPLY OUTLOOK

The outlook for Oregon 1943 water supply, so far as can be foreseen thus early in the winter, is the best for many years, with prospects for beautiful water supplies in all parts and including those areas where summer water shortage is chronic. Production of "food for freedom" crops is not likely to be limited in this State in 1943 by reason of irrigation shortages.

Oregon mountain snow cover, now the greatest of record for this season of year on many snow courses, if supplemented by normal February and March snowfall, will produce a phenomenally heavy mountain snow pack. Subsequent stream-flow greater than average may be of flood proportions on some streams if the snow-water is suddenly released by high temperatures. If February and March snowfall be deficient, the present snow cover should still provide an adequate 1943 water supply.

The existing heavy snow pack was caused by unusually heavy State-wide November and December precipitation coupled with about normal temperatures. Not only was above-normal snowfall recorded, but watersheds were generously wetted and winter run-off of flood volume occurred in some streams of the Western Cascade slope.

Inasmuch as watershed soils are mostly unfrozen and generally wet, sustained run-off is favored from whatever snow pack may be accumulated by April first.

Total water stored in all reservoirs exceeds that of similar date last year and is the greatest of any recent year. The number of reservoirs half or better full also is greater than in any recent year. Preparing for inflow to come, managements of several reservoirs are now wisely by-passing current reservoir inflow or decreasing the amount of water in storage.

Precipitation accumulated in Oregon valleys since October 1, is far above normal and greater than for many years.

The following water supply outlook for various Oregon areas is tentative only and in no sense conclusive. Final 1943 snow surveys will be made the latter part of March.

Northcentral Oregon: Outlook good with mountain snow cover above normal.

Umatilla-Walla Walla Basin: Prospects good with mountain snow three to four times that of last year at this time and nearly 200 per cent average. Reservoirs can readily be filled.

Northeastern Oregon: Water supply prospects excellent with mountain snow cover on the Wallowa-Grande Ronde drainage basin nearly 200 per cent average.

Eastern Oregon: Abundant water supply in prospect, with some reservoirs holding more water than usual and with mountain snow pack ranging up to twice average. John Day River April-June run-off is likely to be 150 per cent average.

Harney Basin: Water supply prospects are now better than last year at this date. Last year proved the best water year here in several years.

Central Oregon: More water in all reservoirs for this date than in any year since 1938. Snow cover 300 per cent of last year and 250 per cent average. Adequate water supply in prospect for Deschutes basin and unusually abundant supply in sight for lands served from Crooked River and its tributaries.

Southcentral Oregon: Water supply prospects are fully as good as last year at this date. 1942 was a bumper water year.

Klamath Basin: Heavy run-off is in prospect, with more than ample 1943 water supplies.

Southern Oregon: Water supply prospects more varied than elsewhere in the State, ranging from excellent in Southern Jackson County to fair in Southern Josephine County. Approximately 14,000 acre feet peak storage now in sight for Hyatt Reservoir.

Willamette Valley: An unusually abundant snow pack extending to low elevations bears watching.

COMPARISON OF SNOW COVER AS OF FEBRUARY FIRST WITH THAT OF PREVIOUS YEARS

Snow-stored water now present above 5,000 feet:

As per cent of that present one month ago	-- 151
As per cent of that present one year ago	-- 218
As per cent of that present two years ago	-- 155
As per cent of average	-- 196

Snow-stored water now present from 2,000-5,000 feet:

As per cent of that present one month ago	-- 175
As per cent of that present one year ago	-- 362
As per cent of that present two years ago	-- 290
As per cent of average	-- 290

Snow water content on 100 per cent of all measured courses is greater than at this time in 1942, and in 87 per cent of the comparisons, is greater than on about February 1 of 1941. Snow water content on 100 per cent of all measured courses is greater than average.

Given below is a tabulation showing inches snow-stored water for the February 1 record period on eleven scattered snow courses of greatest age. The superior snow pack of February 1, 1943, as compared with that of the same date in earlier years is evident.

Snow Water Content (Inches) as of About February 1

River Basin	Deschutes-Willamette	Umatilla	Walla-Walla	Wallowa	Burnt River	Malheur-John Day	Crooked	Goose Lake	Klamath	Klamath-Rogue	Umpqua
Snow Course / Year	Cascade Summit	Meacham	Toll-gate	Aneroid Lake	Tipton	Blue Mt. Springs	Ochoco Mdws.	Quartz Mtn.	Chemult	Annie Spring	Diamond Lake
1929	23.2	9.2	-	7.7	10.1	-	4.3	4.0	6.5	20.3	8.9
1930	10.3	3.5	-	15.2	3.8	4.4	3.8	6.0	4.6	19.5	5.5
1931	11.2	6.2	14.1	13.0	8.2	3.6	5.6	4.0	6.1	N.R.	N.R.
1932	28.0	9.3	23.7	28.4	8.7	13.7	10.0	6.9	12.8	22.3	26.2
1933	27.8	5.6	N.R.	26.0	N.R.	13.0	6.5	5.9	11.1	N.R.	27.5
1934	N.R.	0.5	12.5	N.R.	N.R.	N.R.	N.R.	1.0	N.R.	N.R.	5.6
1935	28.1	5.6	18.2	21.2	N.R.	11.0	9.4	7.7	8.6	33.4	7.6
1936	N.R.	11.2	27.8	17.3	N.R.	13.4	13.5	11.3	9.4	37.2	12.0
1937	25.1	9.3	16.6	9.3	N.R.	8.2	6.1	4.1	7.0	N.R.	15.6
1938	8.8	2.1	9.7	21.0	4.5	9.0	N.R.	N.R.	4.1	22.8	7.9
1939	17.4	4.0	14.1	13.4	6.8	7.4	5.7	2.2	5.3	26.5	12.2
1940	6.3	2.3	5.9	16.5	3.1	3.6	1.8	T	5.5	20.5	3.1
1941	13.5	4.0	14.1	19.3	8.7	13.4	8.6	5.0	8.1	36.8	10.5
1942	10.6	3.5	7.0	22.4	4.8	6.8	5.9	3.8	6.3	18.1	6.8
1943	37.0	10.6	28.8	28.6	13.4	23.0	13.7	9.4	20.5	40.8	29.8

Greatest February 1 water content is underscored. N.R. - No report.

STATUS OF SNOW COVER AS OF FEBRUARY FIRST (Cont'd.)

Summary of Snow Survey Data
by Tributary Drainages as of About February First

Tributary Drainage	Number of snow courses averaged	Average Water Depth in Snow Cover (Inches) 1943	1942	1941	Avg. past yrs. of record	Yrs. of record	1943 Snow Water Depth (Inches) as Per Cent of that in 1942	1941	Avg.
Owyhee River	2	15.2	6.8				223		
	2	15.2		8.4				181	
	2	15.2			8.8	2-6			173
Malheur River	3	12.1	4.7				257		
	3	12.1		8.6				141	
	3	12.1			5.7	5-12			212
Burnt River	3	12.6	5.3				238		
	3	12.6		7.7				164	
	3	12.6			5.6	4-9			225
Powder River	5	19.1	6.9				277		
	5	19.1		10.2				187	
	5	19.1			7.8	4-7			245
Pine Creek	1	33.6	15.3				220		
	1	33.6		24.1				139	
	1	33.6			17.6	5			191
Grande Ronde River	7	23.6	10.5				225		
	6	23.0		13.6				169	
	7	23.6			12.6	1-14			187
Walla Walla River	1	28.8	7.0				411		
	1	28.8		14.1				204	
	1	28.8			14.9	11			193
Umatilla River	4	15.4	4.7				328		
	4	15.4		7.3				211	
	4	15.4			7.9	4-14			195
Willow Creek	-	-	-				-		
	1	10.6		8.6				123	
	1	10.6			7.1	13			149
John Day River	7	13.9	5.3				262		
	8	13.5		7.6				178	
	8	13.5			6.0	4-13			225
Deschutes River	3	34.7	10.4				334		
	4	29.9		10.9				274	
	4	29.9			12.0	2-12			249
Crooked River	4	11.0	4.2				262		
	4	11.0		6.6				167	
	4	11.0			4.3	5-12			256

Tributary Drainage	Number of snow courses averaged	Average Water Depth in Snow Cover (Inches) 1943	1942	1941	Avg. for past yrs. of record	Yrs. of record	1943 Snow Water Depth (Inches) as Per Cent of that in 1942	1941	Avg.
Sandy River	2	43.6	13.2				330		
	3	34.3		11.8				291	
	3	34.3			12.6	2-5			272
Clackamas River	1	25.5	6.2				411		
	1	25.5		4.5				567	
	1	25.5			6.0	5			425
Willamette River	7	28.2	6.6				427		
	7	28.2		7.5				376	
	7	28.2			7.8	2-12			362
Harney Basin	6	8.1	3.8				213		
	6	8.1		5.2				156	
	6	8.1			3.8	3-10			213
Silver Lake Basin	-	-	-				-		
	1	7.9		2.6				304	
	1	7.9			2.1	3			376
Warner Lake	1	16.4	5.5				298		
	1	16.4		8.9				184	
	1	16.4			5.7	4			288
Guano Lake	1	5.8	5.5				105		
	1	5.8		4.7				123	
	1	5.8			4.1	3			141
Umpqua River	5	22.2	6.0				370		
	5	22.2		9.1				244	
	5	22.2			8.0	4-6			278
Upper Rogue River	11	17.3	7.6				228		
	11	17.3		9.0				192	
	11	17.3			8.6	5-12			201
Applegate River	5	19.1	13.8				138		
	5	19.1		20.5				93	
	5	19.1			14.3	2-7			134
Illinois River	2	12.3	7.0				176		
	2	12.3		15.3				80	
	2	12.3			8.4	5-7			146
Klamath Lake Basin	18*	12.4	5.0				248		
	18*	12.4		7.4				168	
	18*	12.4			6.1	4-16			203
Goose Lake Basin	3*	11.6	5.3				219		
	3*	11.6		6.6				176	
	3*	11.6			5.2	4-13			223

* Including Copco water measurement stations.

STATUS OF WATERSHED SOIL MOISTURE

Oregon watershed soils are nearly all unfrozen. At many snow courses the soil immediately under the snow is reported as wet to very wet. This probably also is the case for sub-surface soil at low watershed elevations, but at higher elevations soils are likely to be but little wetter than indicated by the fall 1942 soil moisture samples, since some of those stations, when sampled in November, already were covered with snow.

TRIBUTARY BASINS	Location Sec.	Twp.	Range	Elev.	1942 Fall Soil Moisture as Percentage of Soil Dry Weight: Date	Depth (ft.) 0-3	3-5 or 3-6	0-5 or 0-6	One Year Ago 0-3	3-5 or 3-6	0-5 or 0-6	Avg. for past yrs. of Record 0-3	3-5 or 3-6	0-5 or 0-6	Yrs. of Record
BURNT RIVER															
Dooley Mountain	32	11S	40E	5300	11-16	12.2	-	-	13.4	14.8	14.1	17.7	12.9	15.3	2
Blue Mountain Summit	6	12S	36E	5098	11-16	26.0	25.2	25.7	29.5	27.7	28.6	27.1	24.8	25.9	3
POWDER RIVER															
Granite-Sumpter Divide	22	9S	36E	5790	11-17	12.0	7.8	10.3	23.1	11.8	18.6	22.2	9.4	17.2	2
Dooley Mountain	32	11S	40E	5300	11-16	12.2	-	-	13.4	14.8	14.1	17.7	12.9	15.3	2
Catherine Creek	27	5S	41E	4240	11-18	27.6	36.2	31.9	39.8	37.5	38.7	39.8	37.5	38.7	1
GRANDE RONDE RIVER															
Tollgate	32	4N	38E	5070	11-18	40.6	29.7	35.2	48.5	31.9	40.2	48.5	31.9	40.2	1
Catherine Creek	27	5S	41E	4240	11-18	27.6	36.2	31.9	39.8	37.5	38.7	39.8	37.5	38.7	1
WALLA WALLA RIVER															
Tollgate	32	4N	38E	5070	11-18	40.6	29.7	35.2	48.5	31.9	40.2	48.5	31.9	40.2	1
UMATILLA RIVER															
Emigrant Springs	29	1N	35E	3900	11-18	33.1	28.2	30.6	48.8	30.6	39.7	48.8	30.6	39.7	1

TRIBUTARY BASINS	Location Sec.	Twp.	Range	Elev.	Date / Depth (ft.)	1942 Fall Soil Moisture as Percentage of Soil Dry Weight: 0-3	3-5 or 3-6	0-5 or 0-6	One Year Ago: 0-3	3-5 or 3-6	0-5 or 0-6	Avg. for past yrs. of Record: 0-3	3-5 or 3-6	0-5 or 0-6	Yrs. of Record
JOHN DAY RIVER															
Granite-Sumpter Divide	22	9S	36E	5790	11-17	12.0	7.8	10.3	23.1	11.8	18.6	22.2	9.4	17.2	2
Starr Ridge	20	15S	31E	5150	11-15	15.2	12.7	14.0	23.7	13.1	18.4	23.7	13.1	18.4	1
Blue Mountain Summit	6	12S	36E	5098	11-16	26.0	25.2	25.7	29.5	27.7	28.6	27.1	24.8	25.9	3
DESCHUTES RIVER															
Ochoco Mountain	8	13S	20E	5080	11-19	37.0	40.9	39.0	43.2	40.9	42.0	36.8	41.0	38.9	3
Chemult	21	27S	8E	4760	11-20	35.4	33.9	34.7	30.5	33.7	32.1	32.2	33.8	33.0	2
HARNEY BASIN															
Starr Ridge	20	15S	31E	5150	11-15	15.2	12.7	14.0	23.7	13.1	18.4	23.7	13.1	18.4	1
UMPQUA RIVER															
Whaleback	3	31S	2E	5140	11-13	59.8	47.6	53.7	49.7	40.7	45.2	56.1	47.2	51.6	6
ROGUE RIVER															
Annie Spring	19	31S	6E	6018	11-14	26.4	14.8	20.6	23.8	15.2	19.5	22.3	14.7	18.5	6
Whaleback	3	31S	2E	5140	11-13	59.8	47.6	53.7	49.7	40.7	45.2	56.1	47.2	51.6	6
KLAMATH LAKE															
Annie Spring	19	31S	6E	6018	11-14	26.4	14.8	20.6	23.8	15.2	19.5	22.3	14.7	18.5	6
Quartz Mountain	33	37S	16E	5350	11-14	20.7	-	-	25.5	25.4	25.5	25.5	25.4	25.5	1
Chemult	21	27S	8E	4760	11-20	35.4	33.9	34.7	30.5	33.7	32.1	32.2	33.8	33.0	2
GOOSE LAKE															
Quartz Mountain	33	37S	16E	5350	11-14	20.7	-	-	25.5	25.4	25.5	25.5	25.4	25.5	1

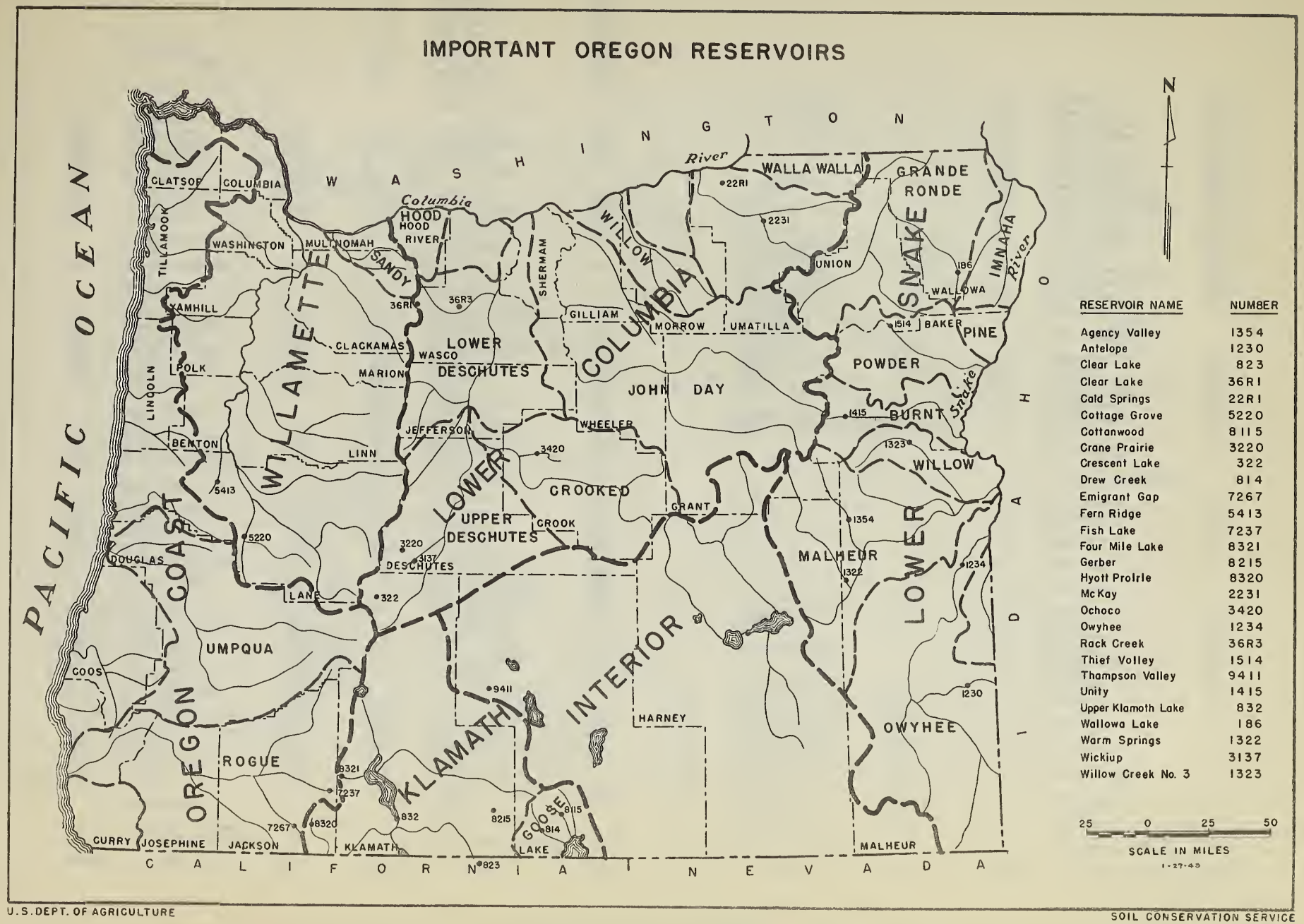
STATUS OF RESERVOIR STORAGE AS OF FEBRUARY FIRST

In the following tabulation, water storage in acre feet in important Oregon reservoirs as of about February 1, 1943, is compared with storage as of approximately the same date in 1942, 1941, 1940 and 1939.

Storage Reservoir	Stream Basin	Capacity Acre Ft.	Acre Feet in Storage About 2-1-43	About 2-1-42	About 2-1-41	About 2-1-40	About 2-1-39
Agency Valley	Malheur	60,000	24,300	44,520	44,690	40,900	41,440
Antelope	Owyhee	36,550	No report	6,500[a]	3,707	Empty	3,750
Clear Lake	Lost River	440,240[b]	252,030[b]	249,380[b]	204,920[b]	183,000[b]	229,510[b]
Cold Springs	Umatilla	50,000	36,500	28,850	34,200	14,750	-
Cottage Grove	Willamette	30,000[b]	0 [c]	-	-	-	-
Cottonwood	Goose Lake	4,160	0 [c]	-	Empty	47	Empty
Crane Prairie	Deschutes	50,000	30,000	17,470	19,780	29,210	23,190
Crescent Lake	Deschutes	80,000	30,000	21,260	22,700	30,300	55,390
Drew Creek	Goose Lake	62,500	42,794	49,500	29,400	23,050	32,520
Emigrant Gap	Rogue	8,200	5,628[c]	6,468	7,285	5,569	2,052
Fern Ridge	Willamette	95,000[b]	72,550	-	-	-	-
Fish Lake	Rogue	7,720	4,401	3,340	3,334	3,902	5,830
Four Mile Lake	Klamath[d]	14,000	3,802	2,894	2,303	7,367	10,210
Gerber	Klamath	94,000[b]	39,320[b,c]	43,380[b]	44,330[b]	36,370[b]	35,830
Hyatt Prairie	Klamath[d]	16,000	8,607	5,880	2,417	2,929	10,380
McKay	Umatilla	74,000	51,720[c]	55,670	24,980	15,120	21,440
Ochoco	Crooked	47,500	37,920[c]	9,620	3,620	3,740	21,620
Owyhee	Owyhee	715,000[b]	623,640[c]	510,790[b]	453,780[b]	392,760[b]	521,300[b]
Thief Valley	Powder	17,400	15,140	13,900	16,070	5,600	11,045
Unity	Burnt	25,260	9,465	11,680	12,400	8,050	10,030
Upper Klamath	Klamath	524,800[b]	407,200[b,c]	350,400[b]	233,000[b]	265,800[b]	354,600[b]
Wallowa Lake	Wallowa	40,920	25,240	32,040	16,960	10,930	36,380
Warmsprings	Malheur	190,000	161,000	140,590	114,000	75,260	137,800
Wickiup	Deschutes	180,000[f]	4,700	-	-	-	-
Willow Creek	Malheur	26,000	11,600	No report	4,250	600[e]	4,000[a]

a - Estimated
b - Available for use
c - Water being by-passed, or water level being lowered, to provide space for anticipated inflow.
d - By ditch to Rogue River side
e - Approximate
f - To store not more than 22,000 acre feet in 1943.

IMPORTANT OREGON RESERVOIRS



RESERVOIR NAME	NUMBER
Agency Valley	1354
Antelope	1230
Clear Lake	823
Clear Lake	36R1
Cold Springs	22R1
Cottage Grove	5220
Cottonwood	8115
Crane Prairie	3220
Crescent Lake	322
Drew Creek	814
Emigrant Gap	7267
Fern Ridge	5413
Fish Lake	7237
Four Mile Lake	8321
Gerber	8215
Hyott Prairie	8320
McKay	2231
Ochoco	3420
Owyhee	1234
Rock Creek	36R3
Thief Valley	1514
Thompson Valley	9411
Unity	1415
Upper Klamath Lake	832
Wallowa Lake	186
Warm Springs	1322
Wickiup	3137
Willow Creek No. 3	1323

U.S. DEPT. OF AGRICULTURE

SOIL CONSERVATION SERVICE
7-L-3060

INDEX TO SNOW COURSES

Number	Name	Elev.
	UPPER COLUMBIA DRAINAGE Lower Snake in Oregon	
	OWYHEE RIVER	
Nev.1	Big Bend	6800
Nev.2	Buckskin, Lower	6800
Nev.3	Buckskin, Upper	8200
952	Fish Creek	7900
Nev.5	Fry Canyon	6800
Nev.6	Gold Creek Ranger Sta.	6600
Nev.7	Granite Peak	8600
Nev.8	Jack Creek, Lower	7000
Nev.9	Jack Creek, Upper	7800
Nev.10	Martin Creek	7000
Nev.11	Rodeo Flat	7000
Ida.12	Silver City	6400
951	Silvies	6900
Ida.13	South Mountain	5100
Nev.15	Taylor Canyon	5200
	MALHEUR RIVER	
133	Blue Mountain Spring	5900
137	Crane Prairie	5375
136	Lake Creek	5120
134	Rock Spring	5100
135	Stinking Water	4800
	BURNT RIVER	
141	Blue Mountain Summit	5098
156	Dooley Mountain	5430
142	Tipton	5100
	POWDER RIVER	
155	Anthony Lake	7125
154	Bourne	5800
156	Dooley Mountain	5430
151B	Eilertson Meadows	5400
249	Gold Center	5340
184	Summit Springs	6000
185	Taylor Green	5740
	PINE CREEK	
161	Schneider Meadows	5400
	GRANDE RONDE RIVER	
183	Aneroid Lake	7480
155	Anthony Lake	7125
188	Beaver Reservoir	5340
187	Camp Carson	5970
186	Moss Spring	5860
248	Schoolmarm	4775
184	Summit Springs	6000
185	Taylor Green	5740
212	Tollgate	5070

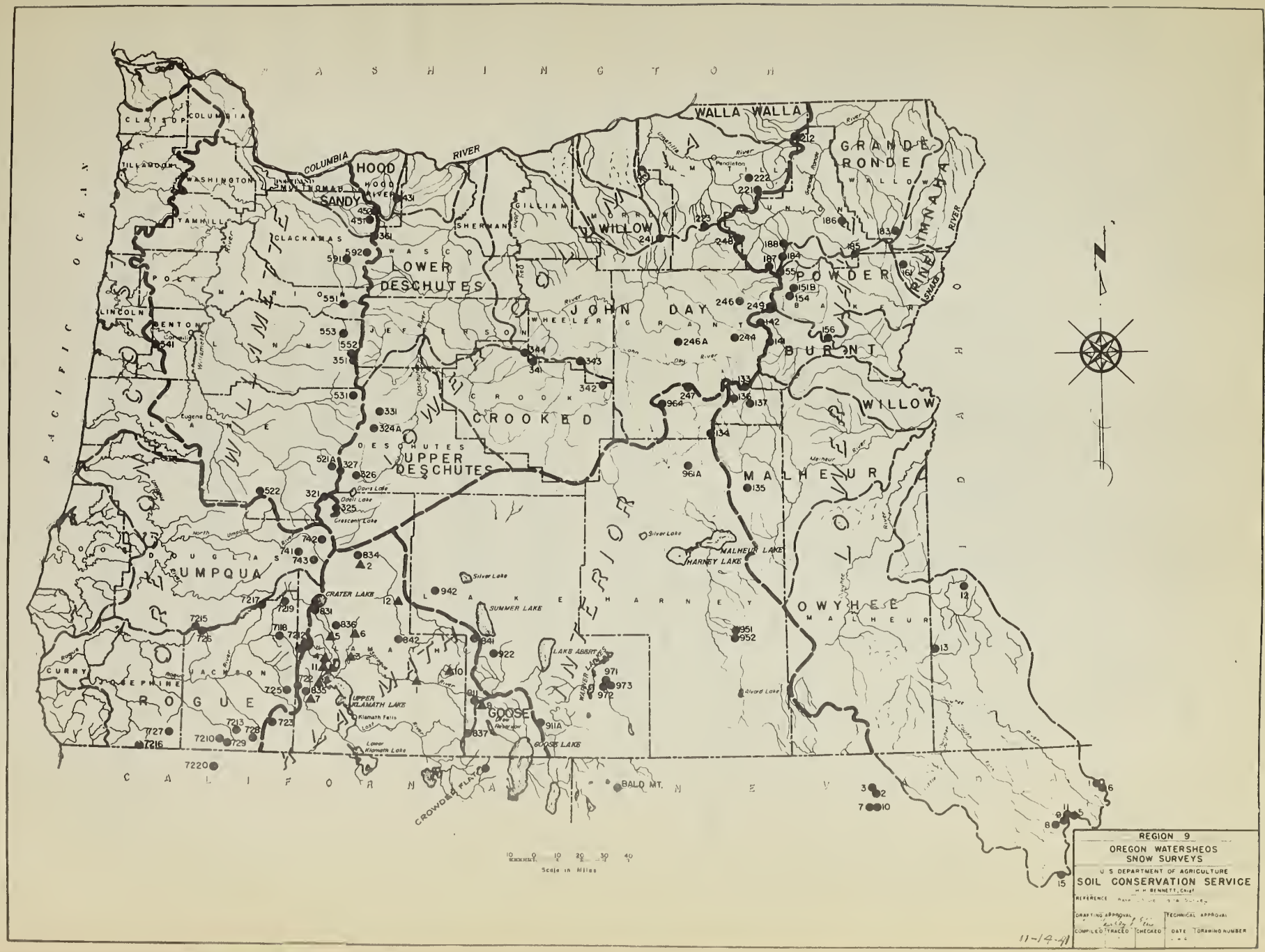
Number	Name	Elev.
	LOWER COLUMBIA DRAINAGE	
	WALLA WALLA RIVER	
212	Tollgate	5070
	UMATILLA RIVER	
222	Emigrent Springs	3925
223	Lucky Strike	5050
221	Meacham	4300
212	Tollgate	5070
	WILLOW CREEK	
241	Arbuckle Mountain	5400
	JOHN DAY RIVER	
241	Arbuckle Mountein	5400
246A	Beech Creek Summit	4800
133	Blue Mountain Spring	5900
141	Blue Mountain Summit	5098
244	Dixie Sorings	6650
249	Gold Center	5340
964	Izee Summit	5293
245	Olive Lake	6000
248	Schoolmarm	4775
247	Starr Ridge	5156
	DESCHUTES RIVER	
326	Caldwell Ranch	4400
321	Cascade Summit	4880
327	Charlton Lake	5750
361	Cleer Lake	3500
325	Crescent Lake	4760
343	Derr	5670
351	Hogg Pass	4755
344	Marks Creek	4540
324A	New Dutchman Flat	6400
341	Ochoco Meadows	5200
342	Tamarack	4800
331	Three Creeks Meadows	5600
	HOOD RIVER	
431	Brooks Meadows	4300
	SANDY RIVER	
361	Clear Lake	3500
452	Phlox Point - Mt. Hood	5600
451	Still Creek	3700
	CLACKAMAS RIVER	
592	Clackamas Lake	3400
591	Peavine Ridge	3500
	WILLAMETTE RIVER	
551	Breitenbush	2325
321	Cascade Summit	4880
522	Champion	4500
327	Charlton Lake	5750
351	Hogg Pass	4755
531	McKenzie	4800
553	Marion Forks	2730
541	Mary's Peak	3620
552	Santiam Junction	3990
521A	Waldo Lake	5500

Number	Name	Elev.
	KLAMATH LAKE BASIN	
831	Annie Spring	6018
722	Billie Creek Divide	6000
834	Chemult No. 1	4760
Calif.	Crowder Flat	5200
723	Hyatt Prairie Reservoir	4900
835	Lake of the Woods	4960
811	Quartz Mountain	5320
7211	Seven Lakes No. 1	6800
7212	Seven Lakes No. 2	6200
837	Strawberry	5600
841	Summer Rim	7200
836	Sun Mountain	5350
842	Taylor Butte	5100
	GOOSE LAKE BASIN	
911A	Camas Creek	5720
811	Quartz Mountain	5320
837	Strawberry	5600

INDEX TO CALIFORNIA-OREGON POWER COMPANY SNOW WATER STATIONS

Number	Name	Elev.
	KLAMATH LAKE BASIN	
1	Beatty	4300
2	Chemult	4761
3	Chiloquin	4187
4	Crystal	4200
5	Fort Klamath	4150
6	Kirk	4533
7	Lake of the Woods	4960
8	Pelican	4200
9	Quertz Mountain	5504
10	Richardson Ranch	4800
11	Rocky Point	4150
12	Yamsey	4600
	GOOSE LAKE BASIN	
9	Quartz Mountain	5504

Number	Name	Elev.
	INTERIOR DRAINAGE	
	SILVER LAKE	
942	Silver Creek	4900
	CHEWAUCAN RIVER	
922	Mill Creek	6200
	HARNEY BASIN	
973	Deer Creek	6670
952	Fish Creek	7900
971	Hart Mountain	6350
961A	Idylwild Park	5200
964	Izee Summit	5293
134	Rock Spring	5100
951	Silvies	6900
247	Starr Ridge	5156
	WARNER LAKE	
911A	Camas Creek	5720
	GUANO LAKE	
Nev.	Bald Mountain	6720
972	Guano Creek	6480
	WEST COAST DRAINAGE	
	UMPQUA RIVER	
522	Champion	4500
743	Diamond Lake	5315
726	Goolaway Gap	3000
7215	Goolaway Mountain	3730
742	N.Umpqua near Lake Creek	4215
741	Trap Creek	3800
7217	Whaleback	5140
	ROGUE RIVER	
7216	Althouse	4400
831	Annie Spring	6018
729	Big Red Mountain	6500
722	Billie Creek Divide	6000
725	Fish Lake	4865
726	Goolaway Gap	3000
7215	Goolaway Mountain	3730
727	Grayback Peak	6000
723	Hyatt Prairie Reservoir	4900
7210	Little Red Mountain	6500
7220	Scragg Mountain	6200
7211	Seven Lakes No. 1	6800
7212	Seven Lakes No. 2	6200
7219	Silver Burn	3720
728	Siskiyou Summit	4630
7218	South Fork Canal	3500
7213	Wagner Butte	6900
7217	Whaleback	5140


WASHINGTON
PACIFIC OCEAN
CALIFORNIA
NEVADA
IDAHO
COLUMBIA RIVER
HOOD
SANDY
LOWER DESCHUTES
WILLOW
WALLA WALLA
GRANDE RONDE
UMATILLA
POWDER
JOHN DAY
BURNT
WILLOW
CROOKED
UPPER DESCHUTES
MALHEUR
UMPQUA
ROGUE
GOOSE
OWYHEE
CRATER LAKE
SUMMER LAKE
LAKE HARNEY
MALHEUR LAKE
HARNEY LAKE
LAKE ABERT
GOOSE LAKE
UPPER KLAMATH LAKE
Klamath Falls
Lower Klamath Lake
CROWDER FLAT
BALD MT.
Pendleton
Silver Lake
Alvord Lake
Scale in Miles
REGION 9
OREGON WATERSHEDS
SNOW SURVEYS
U S DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
H H BENNETT, Chief
REFERENCE
DRAFTING APPROVAL
TECHNICAL APPROVAL
COMPILED
TRACED
CHECKED
DATE
DRAWING NUMBER
11-14-41

STATUS OF VALLEY PRECIPITATION AS OF OCTOBER 1 TO DATE

Month	Oct.		Nov.		Dec.		Jan.		Period	
Section	P	D	P	D	P	D	P	D	P	D
S.E.	0.35	-0.34	2.56	+1.42	1.91	+0.88	1.1	0.0	5.92	+1.96
S.C.	0.37	-0.63	4.38	+2.46	3.78	+1.40	4.6	+2.6	13.13	+5.83
N.C.	0.54	-0.22	4.41	+2.83	3.98	+2.05	3.6	+1.8	12.53	+6.46
Col.Riv.	0.79	-0.22	3.58	+1.85	3.03	+1.43	1.6	0.0	9.00	+3.06
Wal.Mts.	1.30	-0.19	3.50	+1.57	2.87	+0.57	1.9	+0.5	9.57	+2.45
Blue Mts.	1.06	-0.37	3.31	+1.33	3.36	+1.45	3.1	+1.0	10.83	+3.41
Southern	1.12	-0.77	8.98	+5.22	6.82	+3.42	8.2	+4.4	25.12	+12.27
Willamette	3.22	-0.63	17.53	+9.60	14.62	+6.55	8.1	+0.3	43.47	+15.82
Area	1.09	-0.42	6.03	+3.28	5.05	+2.29	4.0	+1.3	16.20	+6.41

P - Inches precipitation. D - Inches departure from normal.

S.E. - Southeastern Oregon range lands, Harney and Malheur Counties.

S.C. - Southcentral Oregon range lands, Lake County and Klamath County, except the Cascade Mountains.

N.C. - Northcentral Oregon wheat and range lands, Crook, Deschutes, Jefferson, Wheeler and part of Grant Counties.

Col.Riv. - Columbia River area, wheat and range lands, Gilliam, Morrow, Sherman, Wasco and part of Umatilla Counties.

Wal.Mts. - Wallowa Mountain area, forest and range lands, Wallowa and part of Baker County.

Blue Mts. - The Blue Mountain forest and range area, Union and parts of Baker, Grant and Umatilla Counties.

Southern - Southern Oregon irrigated section, Jackson and Josephine Counties.

Willamette - Parts of Polk, Benton, Yamhill, Washington, Lane and all of Linn, Marion, Clackamas and Multnomah Counties.

Note: Data for the last month shown above are preliminary only, as they are based on a few stations only. Data for earlier months have been corrected to include all the stations in climatological data for the area.

TRIBUTARY BASINS (Primary & Secondary & Snow Courses)	LOCATION Oregon Number	Sec.	Twp.	Range	Elev.	About Feb. 1, 1943 Date	Avg. Snow Depth (In.)	Avg. Water Depth (In.)	SNOW COVER MEASUREMENTS Average Water Depth (Inches) One Month Ago (1-1-43)	One Year Ago (2-1-42)	Two Years Ago (2-1-41)	Avg. for past yrs. of record	Yrs. of record
UPPER COLUMBIA DRAINAGE													
LOWER SNAKE IN OREGON													
OWYHEE RIVER													
Silver City	Idaho	6	5S	3W	6400	1-30	48.0	15.6	8.6	6.9	8.4	10.2	6
South Mountain No. 2	"	35	7S	5W	6340	2-5	42.2	14.8*	-	6.6	8.4	7.5	2
MALHEUR RIVER													
Blue Mountain Spring	133	21	15S	35E	5900	1-30	75.9	23.0	16.5	6.8	13.4	9.0	12
Rock Spring	134	23	18S	32E	5100	2-4	37.1	8.3*	6.1	3.1	7.6	4.5	7
Stinking Water	135	33	21S	34E	4800	1-29	18.6	4.9	2.7	4.1	4.9	3.7	5
BURNT RIVER													
Dooley Mountain	156	32	11S	40E	5430	1-31	41.0	12.0	7.8	6.4	9.0	5.4	4
Tipton	142	34	10S	35½E	5100	1-27	42.8	13.4	-	4.8	8.7	6.5	9
Blue Mountain Summit	141	6	12S	36E	5098	1-29	45.5	12.4	10.2	4.8	5.3	4.9	8
POWDER RIVER													
Anthony Lake	155	18	7S	37E	7125	2-3	86.2	32.2*	24.8	10.4	15.8	12.1	4
Bourne	154	33	8S	37E	5800	2-1	69.6	19.6**	12.6	7.5	10.5	9.1	7
Dooley Mountain	156	32	11S	40E	5430	1-31	41.0	12.0	7.8	6.4	9.0	5.4	4
Eilertson Meadows	151B	18	8S	38E	5400	1-31	51.9	17.0	10.6	4.5	7.3	6.0	5
Gold Center	249	21	9S	36E	5340	1-28	52.5	14.5	9.5	5.9	8.4	6.3	4
PINE CREEK													
Schneider Meadows	161	35	6S	45E	5400	1-30	103.3	33.6	-	15.3	24.1	17.6	5

* Telegraphic; subject to revision.

** Estimated; measured value of 13.9 believed low due to short cores.

TRIBUTARY BASINS (Primary & Secondary & Snow Courses)	LOCATION Oregon Number	Sec.	Twp.	Range	Elev.	SNOW COVER MEASUREMENTS About Feb. 1, 1943 Date	Avg. Snow Depth (In.)	Avg. Water Depth (In.)	Average Water Depth (Inches) One Month Ago (1-1-43)	One Year Ago (2-1-42)	Two Years Ago (2-1-41)	Avg. for past yrs. of record	Yrs. of record
GRANDE RONDE RIVER													
Aneroid Lake	183	16	4S	45E	7480	1-31	91.7	28.6	-	22.4	19.3	17.7	13
Anthony Lake	155	18	7S	37E	7125	2-3	86.2	32.2	24.8	10.4	15.8	12.1	4
Aneroid Lake No. 2	183A	16	4S	45E	7000	1-31	72.8	27.1	-	17.1	-	17.1	1
Moss Spring	186	27	3S	41E	5860	2-1	77.9	26.0	18.1	8.2	13.9	12.2	5
Beaver Reservoir	188	8	5S	37E	5340	1-30	46.2	11.8	7.9	4.7	14.7	8.8	4
Tollgate	212	32	4N	38E	5070	2-2	85.3	28.8	-	7.0	14.1	14.9	11
Meacham	221	24&25	1S	35E	4300	1-27	37.0	10.6	-	3.5	4.0	5.4	14
LOWER COLUMBIA DRAINAGE													
WALLA WALLA RIVER													
Tollgate	212	32	4N	38E	5070	2-2	85.3	28.8	-	7.0	14.1	14.9	11
UMATILLA RIVER													
Tollgate	212	32	4N	38E	5070	2-2	85.3	28.8	-	7.0	14.1	14.9	11
Lucky Strike	223	28	3S	32E	5050	1-26	47.6	13.5	-	6.3	8.3	6.0	4
Meacham	221	24&25	1S	35E	4300	1-27	37.0	10.5	-	3.5	4.0	5.4	14
Emigrant Springs	222	29	1N	35E	3925	1-27	29.8	9.0	-	2.1	2.7	5.4	14
WILLOW CREEK													
Arbuckle Mountain	241	33	4S	29E	5400	1-28	38.0	10.6	-	-	8.6	7.1	13
JOHN DAY RIVER													
Olive Lake	245	14	9S	33½E	6000	1-30	63.1	16.9	12.0	7.6	10.5	9.0	7
Blue Mountain Springs	133	21	15S	35E	5900	1-30	75.9	23.0	16.5	6.8	13.4	9.0	12
Arbuckle Mountain	241	33	4S	29E	5400	1-28	38.0	10.6	-	-	8.6	7.1	13

TRIBUTARY BASINS (Primary & Secondary & Snow Courses)	LOCATION Oregon Number	Sec.	Twp.	Range	Elev.	SNOW COVER MEASUREMENTS About Feb. 1, 1943 Date	Avg. Snow Depth (In.)	Avg. Water Depth (In.)	Average Water Depth (Inches) One Month Ago (1-1-43)	One Year Ago (2-1-42)	Two Years Ago (2-1-41)	Avg. for past yrs. of record	Yrs. of record
JOHN DAY RIVER (Cont'd.)													
Gold Center	249	21	9S	36E	5340	1-28	52.5	14.5	9.5	5.9	8.4	6.3	4
Izee Summit	964	28	16S	29E	5293	1-29	45.8	13.5	9.0	4.9	5.8	4.8	7
Starr Ridge	247B	20	15S	31E	5150	1-29	38.4	9.3	5.8	3.7	4.7	3.2	7
Blue Mountain Summit	141	6	12S	36E	5098	1-29	45.5	12.4	10.2	4.8	5.3	4.9	8
Beech Creek Summit	246A	4	12S	30E	4800	1-29	33.3	7.6	4.2	3.6	3.8	3.4	6
DESCHUTES RIVER													
Derr	343	14	13S	23E	5670	1-29	43.2	11.5	-	5.1	8.4	4.7	5
Three Creeks Meadows	331	3	17S	9E	5600	Meas. delayed by storms			-	6.6	6.8	11.2	12
Ochoco Meadows	341	21	13S	20E	5200	1-30	53.5	13.7	-	5.9	8.6	6.8	12
Cascade Summit	321	7	23S	6½E	4880	2-3	115.8	37.0	-	10.6	13.5	17.5	12
Tamarack	342	8	15S	25E	4800	1-30	46.4	10.0	-	2.3	6.0	3.3	6
Crescent Lake	325	11	24S	6E	4760	2-3	64.2	19.0	-	5.0	7.8	7.2	7
Hogg Pass	351	24	13S	7½E	4755	2-1	141.0	48.0	32.1	15.5	17.2	15.5	5
Marks Creek	344	25	12S	19E	4540	1-29	38.5	8.7	-	3.6	3.6	2.5	5
Clear Lake	361	29	4S	9E	3500	1-24	57.3	15.6	-	-	5.1	8.0	2
SANDY RIVER													
Phlox Point - Mt. Hood	452	6	3S	9E	5600	1-24	154.0	59.7	N.R.	20.6	24.6	23.9	5
Still Creek	451	25	3S	8½E	3700	1-23	85.2	27.6	N.R.	5.8	5.6	6.0	5
Clear Lake	361	29	4S	9E	3500	1-24	57.3	15.6	-	-	5.1	8.0	2
CLACKAMAS RIVER													
Peavine Ridge	591	14&15	6S	7E	3500	2-4	79.4	25.5	14.8	6.2	4.5	6.0	5
Clackamas Lake	592	35	5S	8½E	3400	Meas. delayed by storms			14.1	-	3.6	3.8	4

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WILLAMETTE RIVER													
Cascade Summit	321	7	23S	6½E	4880	2-3	115.8	37.0	-	10.6	13.5	17.5	12
Hogg Pass	351	24	13S	7½E	4755	2-1	141.0	48.0	32.1	15.5	17.2	15.5	5
Champion	522	12	23S	1E	4500	2-1	88.1	30.1	-	3.0	13.6	9.1	4
Santiam Junction	552	14	13S	7E	3990	2-1	84.0	29.1	18.8	8.8	6.2	7.5	2
Mary's Peak	541	21	12S	7W	3620	Abt.2-1	44.4	19.3*	-	0.0	0.0	0.0	3
Marion Forks	553	28	11S	7E	2730	2-1	56.7	19.2	10.6	5.0	1.8	3.4	2
Breitenbush	551	21	9S	7E	2325	1-31	36.7	14.6	9.1	3.0	0.0	1.5	2
INTERIOR DRAINAGE													
SILVER LAKE													
Silver Creek	942	25&26	29S	13E	4900	1-29	35.3	7.9	-	-	2.6	2.1	3
HARNEY BASIN													
Deer Creek	973	17	36S	26E	6670	1-31	26.7	7.5	-	4.4	4.8	3.7	3
Hart Mountain	971	1	36S	25E	6350	2-2	11.6	3.0	-	2.9	3.4	2.5	3
Izee Summit	964	28	16S	29E	5293	1-29	45.8	13.5	9.0	4.9	5.8	4.8	7
Idylwild Camp	961A	33	20S	31E	5200	1-30	34.9	6.9*	4.2	3.7	5.2	3.8	10
Starr Ridge	247B	20	15S	31E	5150	1-29	38.4	9.3	5.8	3.7	4.7	3.2	7
Rock Spring	134	23	18S	32E	5100	2-4	37.1	8.3*	6.1	3.1	7.6	4.5	7
GUANO LAKE													
Guano Creek	972	13	36S	25E	6480	2-2	22.7	5.8	-	5.5	4.7	4.1	3

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WARNER LAKE													
Camas Creek	911A	5	39S	21E	5720	2-1	56.4	16.4	-	5.5	8.9	5.7	4
WEST COAST DRAINAGE													
UMPQUA RIVER													
Diamond Lake	743	29	27S	6E	5315	1-29	100.4	29.8	19.9	6.8	10.5	9.4	6
Whaleback	7217	3	31S	2E	5140	1-31	107.9	39.4	-	20.2	19.8	14.9	5
Champion	522	12	23S	1E	4500	2-1	88.1	30.1	-	3.0	13.6	9.1	4
Goolaway Mountain	7215	30	32S	3W	3730	1-29	30.5	7.1	-	T	1.6	5.0	6
Goolaway Gap	726	32	32S	3W	3000	1-29	18.4	4.8	-	0.0	0.0	1.7	6
ROGUE RIVER													
Wagner Butte	7213	1	40S	1W	6900	2-3	48.8	14.6	-	12.0	10.5	8.9	7
Seven Lakes No. 1	7211	3	34S	5E	6800	Meas. delayed by storms			-	22.3	34.5	23.8	4
Big Red Mountain	729	31	40S	1W	6500	2-3	73.1	22.4	-	14.5	27.4	16.9	7
Little Red Mountain	7210	25	40S	2W	6500	2-4	49.2	16.1	-	10.4	19.2	11.0	7
Scragg Mountain (Calif.)	7220	9	47N	10W	6200	2-1	69.4	20.4	11.8	18.8	21.2	20.0	2
Seven Lakes No. 2	7212	26	33S	5E	6200	Meas. delayed by storms			-	14.7	25.2	16.5	4
Annie Spring	831	19	31S	6E	6018	1-27	118.4	40.8	-	18.1	36.8	25.7	10
Billie Creek Divide	722	30	36S	5E	6000	1-28	71.8	21.3	-	11.2	10.8	14.7	12
Grayback Peak	727	9	40S	5W	6000	1-30	66.8	21.9	-	13.5	24.2	14.9	7
Whaleback	7217	3	31S	2E	5140	1-31	107.9	39.4	-	20.2	19.8	14.9	5
Hyatt Prairie Reservoir	723	15	39S	3E	4900	2-5	37.4	11.0	4.9	5.6	5.8	6.1	8
Fish Lake	725	3	37S	4E	4865	1-29	53.3	16.0	10.2	6.3	4.2	8.2	9
Siskiyou Summit	728	17	40S	2E	4630	1-31	44.8	11.8	4.2	4.6	4.4	4.1	6
Althouse	7216	17	41S	7W	4400	2-3	12.2	2.8	-	0.5	6.4	2.0	5
Goolaway Mountain	7215	30	32S	3W	3730	1-29	30.5	7.1	-	T	1.6	5.0	6
Silver Burn	7219	30	30S	4E	3720	2-1	53.9	16.6	8.5	5.7	5.7	4.2	5

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ROGUE RIVER (Cont'd.)													
South Fork Canal	7218	12	33S	3E	3500	2-2	24.9	7.4	T	T	0.0	0.7	5
Goolaway Gap	726	32	32S	3W	3000	1-29	18.4	4.8	-	0.0	0.0	1.7	6
KLAMATH LAKE BASIN													
Seven Lakes No. 1	7211	3	34S	5E	6800	Meas. delayed by storms			-	22.3	34.5	23.8	4
Seven Lakes No. 2	7212	26	33S	5E	6200	Meas. delayed by storms			-	14.7	25.2	16.5	4
Annie Spring	831	19	31S	6E	6018	1-27	118.4	40.8	-	18.1	36.8	25.7	10
Billie Creek Divide	722	30	36S	5E	6000	1-28	71.8	21.3	-	11.2	10.8	14.7	12
Strawberry	837	4	40S	16E	5600	Report delayed by storms			-	6.1	6.6	4.9	5
Quartz Mountain 2/		33	37S	16E	5504	1-31	46.0	9.1	3.8	6.5	5.8	5.0	13
Sun Mountain	836	22	32S	7½E	5350	1-30	110.7	35.2	21.7	12.1	20.0	13.1	5
Quartz Mountain	811	2	38S	16E	5320	1-31	38.9	9.4	5.4	3.8	5.0	4.8	13
Crowder Flat (Calif.)		30	47N	11E	5200	1-29	28.8	7.0	-	2.3	3.3	2.1	4
Taylor Butte	842	16	33S	11E	5100	1-29	35.8	8.2	-	3.7	4.4	2.8	6
Lake of the Woods No. 1	835	11	37S	5E	4960	1-30	47.4	13.2	7.4	4.4	5.0	3.8	6
Hyatt Prairie Reservoir	723	15	39S	3E	4900	2-5	37.4	11.0	4.9	5.6	5.8	6.1	8
Richardson Ranch 2/		22	35S	14E	4800	1-31	14.2	3.2	0.8	0.7	1.2	2.1	16
Chemult No. 1	834	21	27S	8E	4760	1-31	73.9	20.5	14.2	6.3	8.1	6.0	6
Yamsey 2/		19	30S	11E	4600	1-31	23.0	7.8	1.5	0.0	1.4	1.4	13
Kirk 2/		1	33S	7E	4533	1-31	46.5	9.0	6.1	4.1	7.2	5.0	16
Beatty 2/		22	36S	12E	4300	1-31	9.0	2.1	0.0	0.0	0.0	0.9	15
Crystal 2/		26	34S	6E	4200	1-31	42.0	8.2	8.2	4.5	8.0	6.2	13
Pelican 2/		10	36S	6E	4200	1-31	30.0	9.0	3.9	2.9	1.8	3.6	16
Chiloquin 2/		34	34S	7E	4187	1-31	22.0	3.8	3.4	2.0	1.6	2.2	13
Fort Klamath 2/		22	33S	7½E	4150	1-31	27.5	4.4	1.8	2.1	6.6	4.1	16
GOOSE LAKE BASIN													
Camas Creek	911A	5	39S	21E	5720	2-1	56.4	16.4	-	5.5	8.9	5.7	4
Strawberry	837	4	40S	16E	5600	Report delayed by storms			-	6.1	6.6	4.9	5
Quartz Mountain 2/		33	37S	16E	5504	1-31	46.0	9.1	3.8	6.5	5.8	5.0	13
Quartz Mountain	811	2	38S	16E	5320	1-31	38.9	9.4	5.4	3.8	5.0	4.8	13

1/ The following organizations cooperate in the Oregon snow survey work:

STATE

Idaho Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon State Engineer and corps of State Watermasters
Oregon State Highway Engineers

FEDERAL

Department of Agriculture
- Forest Service
- Soil Conservation Service

Department of Commerce
- Weather Bureau

Department of the Interior
- Bureau of Reclamation
- Fish and Wildlife Service
- Geological Survey
- Indian Service
- National Park Service

War Department
- Army Engineer Corps

PUBLIC UTILITIES

Eastern Oregon Light and Power Company
Portland General Electric Company
The California Oregon Power Company

MUNICIPALITIES

City of Corvallis
City of LaGrande
City of The Dalles

MUNICIPAL DISTRICTS

Associated Ditch Companies
Central Oregon Irrigation District
Deschutes County Municipal Improvement District
Grants Pass Irrigation District
Jordan Valley Irrigation District
Lakeview Water Users Incorporated
Medford Irrigation District
Rogue River Irrigation District
Ochoco Irrigation District
Talent Irrigation District
Warmsprings Irrigation District
Vale-Oregon Irrigation District

PRIVATE CORPORATIONS

Amalgamated Sugar Company

2/ Water content determined by melting a measured sample.
(The California Oregon Power Company's station.)